1	6	11	17	18	2	3	9	10	12	14	16	19
Map Level	Ecological Analysis Scale (Range) ECOMAP 1997	Existing Vegetation Map Specifications	Accuracy Goals	Temporal Scale (Update Cycle)	Business Requirements	Cooperators' Business Requirements (examples)	Existing Vegetation Classification System (Level of Detail)	Existing Vegetation Map Unit Design	Image Data Source Examples	Typical Map Extent (Analysis Scale)	Analysis Example i.e. Wildlife Habitat	Land Use/Cover Classification (I.e.,urban/ag.)
Broad-scale	1:7,500,000 to 1:250,000; gen poly size 10-1,000 sq mi. (USFS); 1:1 million to 1:250K (DFG & DOC)	50-250 acre mmu, 1:250,000 map scale +/- 416 ft accuracy	80-85%	5 to 10 years; (most said every 5 yrs.)	State Assessments, Bioregional Assessments, Monitoring and Evaluation, Regional Fuels Assessment, Post-fire Assessments (USFS); CCRISP, GAP analysis, range and distribution predict. For WHR (DFG); Bioregional Assessmts., Monitor'g., & Eval. (USFWS); Acquisition Planning Bioregional Conservation Planning (linkage ID)---(DPR)	State Reports, GAP, REGAP, Fire	Dominance Types, Alliances (example SRM, SAF cover types); NVCS Formation to "bioregional alliance complex, WHR complex (DFG); CALVEG, WHR, Holland (CDF);	Dominance Type Groups, Alliance Groups (USFS); NVCS sub-formation level mapping units; alliance groups, WHR groups (DFG); operational alliances, SAF/SRM & WHR cover types/groups, canopy cover groups (CDF);	AVHRR, TM 30 meter imagery	Multi-state or State (20+ million acres)	Meta-populations to Populations	
Mid-scale	1:250,000 to 1:24,000; gen poly size 1,000-10,000 acres (change to 1:100,000?) (USFS); 2- 5 acres mmu, 1:40K -1:100K map scale (CDF); down to 1:32K (DFG);	5-10 acres mmu, 1:100,000 map scale to capture (USGS mapping std.), +/- 166 ft. accuracy; Max./viable polygon size??	85% (CDF, DFG)	5-10 years; with boundary/land use changes exceptions)	Forest Planning, Multi-forest Planning, 4th/5th HUC Watershed Analysis, Project Planning, Monitoring and Evaluation, Forest Fuels Assessment, Forest and Rangeland Health Assessments, Post-fire Assessments, NFMA Compliance, NEPA Compliance (USFS); Reg. & county HCP & NCCP mapping, regional WHR modeling (DFG); Critical habitat designations, NEPA compliance, monitoring (FWS); Project Planning, monitoring for EA (USBR); Acquisition Planning Bioregional Conservation Planning, Linkage ID, vegetation management, exotic infestation, restoraton opps., prescribed fire planning, general planning, facility siting (general), recreation planning, monitoring, wildlife management (DPR);	Multi-county Reports, T&E Conservation Strategies, Sub-Regional Assessments, NWI	Dominance Types, Alliances, (Associations optional where needed); WHR veg. Class.; CalVeg	Dominance Type Groups, Alliance Groups (USFS); NVCS sub-formation level mapping units; WHR types (DFG & CDF)	TM 30 Meter, SPOT 10 Meter, IRS 5 Meter, NAAP Photos	Multi-forest or Forest (50,000+ Acres); State, County multi-forest (CDF);	Meta-populations, Seasonal Use Patterns, Suitable Habitat	Anderson1 or 2; DWR; FMMP "important farmland"/urban ??
Fine-scale	1:24,000 to 1:6,000; land type gen. poly size <1000 acres	1-5 acre mmu,1:6K map scale +/- ?? ft. accuracy to 1:24,000 +/- 40 ft. accuracy map scale or larger	85-90% project-level goal; need to at least meet mid-level accuracy; 90% for alliance and 85% assoc. levels	business driven updates: when mid-scale data indicates 10% cover change or every 5-10 years to update mid-scale data (	5th/6th HUC Watershed Analysis, Project Planning, Monitoring and Evaluation, Activity Tracking, Forest and Rangeland Health Assessments, Post-fire Assessments and Rehabilitation, Fuels Management, Riparian Area Delineation, Various Resource Assessments, NEPA Compliance, NFMA Compliance	NWI, Riparian Mapping; mapping of SNAs, National & State parks, wildlife areas (DFG)	Alliances, Associations; dominant species	Alliances, Association, Association Complexes, (and could include: Canopy Cover Classes, Size/Height Classes, Vertical and Horizontal Structure; site quality, disturbance, etc.; Dominant Species)---"Core/Optional stds."	1:24,000 to 1:6,000 Resource Photos, DOQQs, IKONOS 1 meter, IRS 5 meter	6th/7th HUC Watershed or Project area (<50,000 Acres)	Local Population, Seasonal Use Patterns, Specific Habitat Components	Anderson1 or 2; DWR; FMMP "important farmland"/urban ??
Ground-based mapping (Field vist required for each polygon)	1:6K to 1:500 (DFG); 1:24K to 1:1,200 (DOC)	<1/2 acre mmu & < 40-ft. accuracy (DFG); .5 to 2.5 acre mmu (DOC)	>=95%	as needed on assessmt. Of incremental change	Rare natural communities, plant populations (DFG); Building density per parcel; stage of crop development (DOC);fish habitat cover, riparian T&E habitat assessment; THP review, Project level review	NVCS associations to assoc. phases		NVCS associations to assoc. phases	<1:6K aerial photos, groundbased field mapping (DFG); 1-meter imagery (DOC)	<10K acres (DFG); neighborhood to city extent (1 to 50K acres) (DOC)	on-site monitoring of communities and species	